

## WEST Search History





DATE: Sunday, July 23, 2006

Hide?	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
		<i>DB=PGPB,USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L10	L9 and ((yeas\$4 or cerevisi\$4 or pastor\$4 or pichi\$4) same (express\$4 or product\$4 or synthes\$4))	56
<input type="checkbox"/>	L9	L8 and coli\$4	58
<input type="checkbox"/>	L8	phytas\$4 and (short or kretz or gray or barton or garrett or mather or odonog\$6).in.	68
<input type="checkbox"/>	L7	L1 and (short or kretz or gray or barton or garrett or mather or odonog\$6).in.	19
<input type="checkbox"/>	L6	L1 and (short or kretz or gray or barton or garrett or mather or donog\$6).in.	19
<input type="checkbox"/>	L5	L1 and (short or kretz or gray or barton or garrett or mather or donog\$6)	132
<input type="checkbox"/>	L4	L1 and divers\$4.asn.	12
<input type="checkbox"/>	L3	L2 same (express\$4 or product\$4 or synthes\$4)	58
<input type="checkbox"/>	L2	L1 same (yeas\$4 or cerevisi\$4 or pastor\$4 or pichi\$4)	75
<input type="checkbox"/>	L1	phytas\$4 same coli\$2	209

END OF SEARCH HISTORY

=> d his full

(FILE 'HOME' ENTERED AT 11:44:59 ON 23 JUL 2006)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 11:55:57 ON 23 JUL 2006  
SEA PHYTAS?

828 FILE AGRICOLA  
21 FILE ANABSTR  
29 FILE ANTE  
13 FILE AQUALINE  
67 FILE AQUASCI  
200 FILE BIOENG  
2000 FILE BIOSIS  
752 FILE BIOTECHABS  
752 FILE BIOTECHDS  
252 FILE BIOTECHNO  
1695 FILE CABA  
2889 FILE CAPLUS  
134 FILE CEABA-VTB  
48 FILE CIN  
156 FILE CONFSCI  
6 FILE CROPB  
5 FILE CROPU  
2 FILE DDFB  
4 FILE DDFU  
3689 FILE DGENE  
134 FILE DISSABS  
2 FILE DRUGB  
7 FILE DRUGU  
9 FILE EMBAL  
417 FILE EMBASE  
518 FILE ESBIODBASE  
2 FILE FOMAD  
2 FILE FOREGE  
374 FILE FROSTI  
429 FILE FSTA  
1210 FILE GENBANK  
4 FILE HEALSAFE  
727 FILE IFIPAT  
1 FILE IMSRESEARCH  
162 FILE JICST-EPLUS  
278 FILE LIFESCI  
764 FILE MEDLINE  
6 FILE NTIS  
1 FILE NUTRACEUT  
24 FILE OCEAN  
703 FILE PASCAL  
7 FILE PCTGEN  
2 FILE PHIC  
95 FILE PHIN  
150 FILE PROMT  
1 FILE RDISCLOSURE  
1583 FILE SCISEARCH  
599 FILE TOXCENTER  
2255 FILE USPATFULL  
478 FILE USPAT2  
5 FILE VETB  
531 FILE VETU  
20 FILE WATER  
731 FILE WPIDS  
4 FILE WPIFV  
731 FILE WPINDEX  
2 FILE IPA  
3 FILE NAPRALERT

L1 86 FILE NLDB  
QUE PHYTAS?

        
D RANK

FILE 'CAPLUS, USPATFULL, BIOSIS, CABA, SCISEARCH, AGRICOLA, MEDLINE,  
BIOTECHDS, WPIDS' ENTERED AT 11:58:29 ON 23 JUL 2006

L2 13497 SEA PHYTAS?  
L3 731 SEA L2 (S)(COLI?)  
L4 499 SEA L3 (S)(EXPRESS? OR PRODUC? OR SYNTH?)  
L5 188 SEA L4 (S)(YEAST? OR CEREVI? OR PICH1? OR PASTOR? OR POMBE? OR  
POLYMORPH? OR OCCIDENTAL?)  
L6 116 DUP REM L5 (72 DUPLICATES REMOVED)  
D TI L6 1-116

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006  
NEWS 4 APR 04 STN AnaVist \$500 visualization usage credit offered  
NEWS 5 MAY 10 CA/CAPLUS enhanced with 1900-1906 U.S. patent records  
NEWS 6 MAY 11 KOREAPAT updates resume  
NEWS 7 MAY 19 Derwent World Patents Index to be reloaded and enhanced  
NEWS 8 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAPLUS and  
USPATFULL/USPAT2  
NEWS 9 MAY 30 The F-Term thesaurus is now available in CA/CAPLUS  
NEWS 10 JUN 02 The first reclassification of IPC codes now complete in  
INPADOC  
NEWS 11 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and  
and display fields  
NEWS 12 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL  
NEWS 13 JUL 11 CHEMSAFE reloaded and enhanced  
NEWS 14 JUL 14 FSTA enhanced with Japanese patents  
NEWS 15 JUL 19 Coverage of Research Disclosure reinstated in DWPI  
  
NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.  
  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
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NEWS IPC8 For general information regarding STN implementation of IPC 8  
NEWS X25 X.25 communication option no longer available

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FILE 'HOME' ENTERED AT 11:44:59 ON 23 JUL 2006

=> index bioscience medicine

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
3.78	3.78

FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,  
AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,

CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,  
DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 11:55:57 ON 23 JUL 2006

71 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view  
search error messages that display as 0\* with SET DETAIL OFF.

=> s phytas4

4 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

For a list of commands available to you in the current file, enter

"HELP COMMANDS" at an arrow prompt (=>).

=> s phytas?

828	FILE AGRICOLA
21	FILE ANABSTR
29	FILE ANTE
13	FILE AQUALINE
67	FILE AQUASCI
200	FILE BIOENG
2000	FILE BIOSIS
752	FILE BIOTECHABS
752	FILE BIOTECHDS
252	FILE BIOTECHNO
1695	FILE CABA
2889	FILE CAPLUS
134	FILE CEABA-VTB
48	FILE CIN
156	FILE CONFSCI
6	FILE CROPB
5	FILE CROPU
2	FILE DDFB
4	FILE DDFU
3689	FILE DGENE
134	FILE DISSABS
2	FILE DRUGB
7	FILE DRUGU
9	FILE EMBAL
417	FILE EMBASE
518	FILE ESBIODBASE
2	FILE FOMAD
2	FILE FOREGE
374	FILE FROSTI
429	FILE FSTA
1210	FILE GENBANK
4	FILE HEALSAFE
727	FILE IFIPAT
1	FILE IMSRESEARCH
162	FILE JICST-EPLUS
278	FILE LIFESCI

43 FILES SEARCHED...

764	FILE MEDLINE
6	FILE NTIS
1	FILE NUTRACEUT
24	FILE OCEAN
703	FILE PASCAL
7	FILE PCTGEN
2	FILE PHIC
95	FILE PHIN
150	FILE PROMT
1	FILE RDISCLOSURE
1583	FILE SCISEARCH
599	FILE TOXCENTER
2255	FILE USPATFULL

478	FILE USPAT2
5	FILE VETB
531	FILE VETU
20	FILE WATER
731	FILE WPIDS
4	FILE WPIFV
731	FILE WPINDEX
2	FILE IPA
3	FILE NAPRALERT
86	FILE NLDB

59 FILES HAVE ONE OR MORE ANSWERS, 71 FILES SEARCHED IN STNINDEX

L1 QUE PHYTAS?

=> d rank

F1	3689	DGENE
F2	2889	CAPLUS
F3	2255	USPATFULL
F4	2000	BIOSIS
F5	1695	CABA
F6	1583	SCISEARCH
F7	1210	GENBANK
F8	828	AGRICOLA
F9	764	MEDLINE
F10	752	BIOTECHABS
F11	752	BIOTECHDS
F12	731	WPIDS
F13	731	WPINDEX
F14	727	IFIPAT
F15	703	PASCAL
F16	599	TOXCENTER
F17	531	VETU
F18	518	ESBIOBASE
F19	478	USPAT2
F20	429	FSTA
F21	417	EMBASE
F22	374	FROSTI
F23	278	LIFESCI
F24	252	BIOTECHNO
F25	200	BIOENG
F26	162	JICST-EPLUS
F27	156	CONFSCI
F28	150	PROMT
F29	134	CEABA-VTB
F30	134	DISSABS
F31	95	PHIN
F32	86	NLDB
F33	67	AQUASCI
F34	48	CIN
F35	29	ANTE
F36	24	OCEAN
F37	21	ANABSTR
F38	20	WATER
F39	13	AQUALINE
F40	9	EMBAL
F41	7	DRUGU
F42	7	PCTGEN
F43	6	CROPB
F44	6	NTIS
F45	5	CROPU
F46	5	VETB
F47	4	DDFU
F48	4	HEALSAFE
F49	4	WPIFV

F50	3	NAPRALERT
F51	2	DDFB
F52	2	DRUGB
F53	2	FOMAD
F54	2	FOREGE
F55	2	PHIC
F56	2	IPA
F57	1	IMSRESEARCH
F58	1	NUTRACEUT
F59	1	RDISCLOSURE

=> file f2-f6, f8-f12  
COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
2.44	6.22

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 11:58:29 ON 23 JUL 2006  
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FILE 'CABA' ENTERED AT 11:58:29 ON 23 JUL 2006  
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Copyright (c) 2006 The Thomson Corporation

FILE 'AGRICOLA' ENTERED AT 11:58:29 ON 23 JUL 2006

FILE 'MEDLINE' ENTERED AT 11:58:29 ON 23 JUL 2006

FILE 'BIOTECHABS' ACCESS NOT AUTHORIZED

FILE 'BIOTECHDS' ENTERED AT 11:58:29 ON 23 JUL 2006  
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FILE 'WPIDS' ENTERED AT 11:58:29 ON 23 JUL 2006  
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=> s phytas?  
L2 13497 PHYTAS?

=> s l2 (s) (coli?)  
L3 731 L2 (S) (COLI?)

=> s l3 (s) (express? or produc? or synthe?)  
8 FILES SEARCHED...  
L4 499 L3 (S) (EXPRESS? OR PRODUC? OR SYNTHE?)

=> s l4 (s) (yeast? or cerevi? or pichi? or pastor? or pombe? or polymorph? or  
occidental?)  
L5 188 L4 (S) (YEAST? OR CEREVI? OR PICH? OR PASTOR? OR POMBE? OR  
POLYMORPH? OR OCCIDENTAL?)

=> dup rem l5  
PROCESSING COMPLETED FOR L5  
L6 116 DUP REM L5 (72 DUPLICATES REMOVED)

=> d ti 16 1-116

- L6 ANSWER 1 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI New polypeptide comprises the amino acid sequence corresponding to a  
Buttiauxella sp. phytase, useful for enhancing phosphate digestion in  
foods and animal feeds;  
involving vector plasmid-mediated gene transfer and expression in  
Bacillus subtilis, Escherichia coli, Hansenula polymorpha,  
Schizosaccharomyces pombe, Saccharomyces cerevisiae, Trichoderma sp.,  
Aspergillus oryzae or Escherichia coli for enhanced phosphate  
digestion
- L6 ANSWER 2 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Novel phytase derived from Citrobacter freundii strain P3-42 (deposited  
under accession number NCIMB 41247), useful for food and animal feed,  
enhancing phosphate digestion in foods and animal feeds and for  
additives;  
recombinant enzyme protein production via plasmid expression in host  
cell for use in food and feedstuff
- L6 ANSWER 3 OF 116 USPATFULL on STN  
TI Overexpression of phytase genes in yeast systems
- L6 ANSWER 4 OF 116 USPATFULL on STN  
TI Mutant E. coli appa phytase enzymes and natural variants thereof,  
nucleic acids encoding such phytase enzymes, vectors and host cells  
incorporating same and methods of making and using same
- L6 ANSWER 5 OF 116 USPATFULL on STN  
TI Method and compositions for detecting botulinum neurotoxin
- L6 ANSWER 6 OF 116 USPATFULL on STN  
TI Enzyme granules
- L6 ANSWER 7 OF 116 USPATFULL on STN  
TI Methods and compositions for the introduction of molecules into cells
- L6 ANSWER 8 OF 116 USPATFULL on STN  
TI Phytase enzymes, nucleic acids encoding phytase enzymes and vectors and  
host cells incorporating same
- L6 ANSWER 9 OF 116 USPATFULL on STN  
TI Globulin 2 regulatory region and method of using same
- L6 ANSWER 10 OF 116 USPATFULL on STN  
TI Inbred corn line PHD90
- L6 ANSWER 11 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI New isolated nucleic acid comprising a glycerol-3-phosphate  
O-acyltransferase promoter, for expressing a coding region of interest in  
transformed yeast, and for producing omega-3 or omega-6 fatty acid;  
recombinant enzyme protein production via transformed host cell for  
use in omega fatty acid production
- L6 ANSWER 12 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Novel modified phytase having improved stability within stomach, which is  
obtained by modifying Schwanniomyces genus yeast phytase, useful as  
additive in preparation of livestock feed;  
plasmid-mediated modified phytase gene transfer and expression in host  
cell for livestock feed-additive manufacture
- L6 ANSWER 13 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 3  
TI Molecular cloning of the phytase gene from Citrobacter braakii and its  
expression in Saccharomyces cerevisiae

L6 ANSWER 14 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 4  
TI Recombinant expression of thermostable phytase gene PhyXH in *Pichia pastoris*

L6 ANSWER 15 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Isolated phytase excreted by fungal strain KPF0019, which retains specific maximum activity over predetermined temperature range, useful in animal feeds to reduce need for phosphorous supplements in animal diet; recombinant enzyme production via plasmid expression in host cell for use in animal feed

L6 ANSWER 16 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN  
TI orotidine-5'-phosphate decarboxylase gene HURA3 defective *Hansenula polymorpha* (*Pichia angusta*) strain and usage for expression of foreign protein

L6 ANSWER 17 OF 116 USPATFULL on STN  
TI Phytases, nucleic acids encoding them and methods of making and using them

L6 ANSWER 18 OF 116 USPATFULL on STN  
TI Embryo preferred promoter and method of using same

L6 ANSWER 19 OF 116 USPATFULL on STN  
TI Globulin-1 regulatory region and method of using same

L6 ANSWER 20 OF 116 USPATFULL on STN  
TI Phytases, nucleic acids encoding them and methods for making and using them

L6 ANSWER 21 OF 116 USPATFULL on STN  
TI Glutamine-rich maize seed protein and promoter

L6 ANSWER 22 OF 116 USPATFULL on STN  
TI Sweet potato sporamin gene promoter

L6 ANSWER 23 OF 116 USPATFULL on STN  
TI *Trichoderma reesei* phytase enzymes, nucleic acids encoding such phytase enzymes, vectors and host cells incorporating same and methods of making and using same

L6 ANSWER 24 OF 116 USPATFULL on STN  
TI Site-directed mutagenesis of *Escherichia coli* phytase

L6 ANSWER 25 OF 116 USPATFULL on STN  
TI Phytase enzymes, nucleic acid sequences encoding phytase enzymes and vectors and host cells incorporating same

L6 ANSWER 26 OF 116 USPATFULL on STN  
TI Reagents, methods and kit for detecting feed enzymes

L6 ANSWER 27 OF 116 USPATFULL on STN  
TI Inbred corn line PH8JR

L6 ANSWER 28 OF 116 USPATFULL on STN  
TI Inbred corn line PHACE

L6 ANSWER 29 OF 116 USPATFULL on STN  
TI Inbred corn line PHAVN

L6 ANSWER 30 OF 116 USPATFULL on STN  
TI Inbred corn line PH77N

L6 ANSWER 31 OF 116 USPATFULL on STN  
TI Site-directed mutagenesis of *Escherichia coli* phytase

L6 ANSWER 32 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 6  
 TI Expression of Escherichia coli AppA2 phytase  
 in four yeast systems

L6 ANSWER 33 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Expression of microbial phytases in yeast systems and characterization of  
 the recombinant enzymes

L6 ANSWER 34 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 7  
 TI Sequences of modified recombinant Escherichia coli phytases and methods of  
 making and using them

L6 ANSWER 35 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 8  
 TI Modified Aspergillus niger phytase having enhanced specific activity

L6 ANSWER 36 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Recombinant expression of thermostable phytase gene Fphy in methylotrophic  
 yeast

L6 ANSWER 37 OF 116 USPATFULL on STN  
 TI Myo-inositol oxygenases

L6 ANSWER 38 OF 116 USPATFULL on STN  
 TI Phytase variants

L6 ANSWER 39 OF 116 USPATFULL on STN  
 TI Using mutations to improve aspergillus phytases

L6 ANSWER 40 OF 116 USPATFULL on STN  
 TI Novel bacterial phytases and method for producing same

L6 ANSWER 41 OF 116 USPATFULL on STN  
 TI Methods for preventing/remedying mastitis

L6 ANSWER 42 OF 116 USPATFULL on STN  
 TI Phytases

L6 ANSWER 43 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
 TI Preventing or removing biofilm on surface, involves contacting surface  
 with composition comprising acylases and carrier to degrade lactone  
 produced by microorganisms;  
 lactone degradation using bacterium and fungus derived acylase

L6 ANSWER 44 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
 TI Preparation of consensus protein, especially a phytase, comprises  
 aligning and comparing at least three amino acid sequences,  
 back-translating into DNA, and expressing the consensus gene sequence;  
 recombinant enzyme protein production via plasmid expression in host  
 cell for use in pharmaceutical

L6 ANSWER 45 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 9  
 TI The effect of phytase enzyme and level on nutrient extraction by broilers

L6 ANSWER 46 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 10  
 TI Evaluation of microbial phytase in broiler diets

L6 ANSWER 47 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 11  
 TI The yeast production system in which Escherichia  
 coli phytase is expressed may affect growth  
 performance, bone ash, and nutrient use in broiler chicks

L6 ANSWER 48 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 12  
 TI A Pichia pastoris fermentation strategy for enhancing  
 the heterologous expression of an Escherichia coli

## phytase

- L6 ANSWER 49 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 13  
TI Overexpression of Escherichia coli phytase with high specific activity
- L6 ANSWER 50 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 14  
TI Production, expression and sequence of modified recombinant Escherichia coli phytase with enhanced thermostability and proteolytic resistance for use in foodstuffs
- L6 ANSWER 51 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Improving nutritional value of foodstuff, or reducing feed to weight gain ratio, of a monogastric animal, by feeding to animal, a foodstuff comprising myo-inositol hexakisphosphate, and phytase expressed in yeast; vector-mediated gene transfer and expression in host cell for recombinant protein production and feedstuff manufacture
- L6 ANSWER 52 OF 116 USPATFULL on STN  
TI Production of recombinant epidermal growth factor in plants
- L6 ANSWER 53 OF 116 USPATFULL on STN  
TI Continuous fermentation process
- L6 ANSWER 54 OF 116 USPATFULL on STN  
TI Phytase-containing animal food and method
- L6 ANSWER 55 OF 116 USPATFULL on STN  
TI Consensus phytases
- L6 ANSWER 56 OF 116 USPATFULL on STN  
TI Sweet potato sporamin gene promoter
- L6 ANSWER 57 OF 116 USPATFULL on STN  
TI Microbially expressed thermotolerant phytase for animal feed
- L6 ANSWER 58 OF 116 USPATFULL on STN  
TI Phytase enzymes, nucleic acids encoding phytase enzymes and vectors and host cells incorporating same
- L6 ANSWER 59 OF 116 USPATFULL on STN  
TI Phosphatases with improved phytase activity
- L6 ANSWER 60 OF 116 USPATFULL on STN  
TI Phytase polypeptides
- L6 ANSWER 61 OF 116 USPATFULL on STN  
TI Continuous fermentation system
- L6 ANSWER 62 OF 116 USPATFULL on STN  
TI Consensus phytases
- L6 ANSWER 63 OF 116 USPATFULL on STN  
TI Phytase polypeptides
- L6 ANSWER 64 OF 116 USPATFULL on STN  
TI Phytase varinats
- L6 ANSWER 65 OF 116 USPATFULL on STN  
TI Enzymes with improved phytase activity
- L6 ANSWER 66 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Preparing thermotolerant phytase useful for preparing animal feed or human food, by expressing in microbial host cell expression cassette comprising a promoter operably linked to a nucleic acid encoding the enzyme;

plasmid-mediated gene transfer and expression in bacterium, yeast or fungus for recombinant enzyme production for use in animal feedstuff and human foodstuff

- L6 ANSWER 67 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Novel Plectasin polypeptide having antimicrobial activity, useful for e.g. killing or inhibiting microbial cell growth, for use as a medicament and as antimicrobial therapeutic or prophylactic agent;  
recombinant protein production for use in disease therapy and plant engineering
- L6 ANSWER 68 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 16  
TI Efficacy of a phytase derived from *Escherichia coli* and expressed in yeast on phosphorus utilization and bone mineralization in turkey poults
- L6 ANSWER 69 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 17  
TI Comparison of extracellular *Escherichia coli* AppA phytases expressed in *Streptomyces lividans* and *Pichia pastoris*
- L6 ANSWER 70 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 18  
TI Efficacy of an *E. coli* phytase expressed in yeast for releasing phytate-bound phosphorus in young chicks and pigs
- L6 ANSWER 71 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 19  
TI Safety evaluation of a phytase, expressed in *Schizosaccharomyces pombe*, intended for use in animal feed
- L6 ANSWER 72 OF 116 USPATFULL on STN DUPLICATE 20  
TI Recombinant bacterial phytases and uses thereof
- L6 ANSWER 73 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Novel recombinant phytase protein and polynucleotide for improving nutritional value of phytate-containing foodstuff, in animal feed and feed supplements and to degrade excess phytase from environment or sample;  
vector-mediated *Rhizobium* sp. gene transfer and expression in bacterium, fungus, plant or animal cell for use in transgenic plant and transgenic animal model construction and in foodstuff and feedstuff
- L6 ANSWER 74 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI A new polynucleotide encoding bacterial phytase, useful as a feed additive for improving utilization of inorganic phosphate;  
vector-mediated gene transfer, expression in host cell and DNA probe for recombinant protein production and animal feedstuff manufacture
- L6 ANSWER 75 OF 116 USPATFULL on STN  
TI Overexpression of phytase genes in yeast systems
- L6 ANSWER 76 OF 116 USPATFULL on STN  
TI Phytase variants
- L6 ANSWER 77 OF 116 USPATFULL on STN  
TI OVEREXPRESSION OF PHYTASE GENES IN YEAST SYSTEMS
- L6 ANSWER 78 OF 116 USPATFULL on STN  
TI Novel phytase and gene encoding said phytase
- L6 ANSWER 79 OF 116 USPATFULL on STN  
TI Phytase having a low michaelis constant for phytic acid from *monascus*
- L6 ANSWER 80 OF 116 USPATFULL on STN

TI      Phytase enzymes nucleic acids encoding phytase enzymes and vectors and host cells incorporating same

L6      ANSWER 81 OF 116    USPATFULL on STN  
TI      Phytase having a low michaelis constant for phytic acid from monascus

L6      ANSWER 82 OF 116    BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI      Isolating genes encoding enzymes from microorganisms by adding labeled nucleic acid probes isolated from strains cultured with and without substrate to array of random nucleic acid fragments and detecting hybridization;  
            recombinant enzyme protein production via plasmid expression in host cell for lignin polymerization

L6      ANSWER 83 OF 116    CABA COPYRIGHT 2006 CABI on STN    DUPLICATE 23  
TI      In vitro properties of phytases from various microbial origins.

L6      ANSWER 84 OF 116    BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI      New bacterial phytase for e.g. improving the nutritional value of phytate-containing foodstuffs and subsequently improving the growth performance of an organism that consumes it, or in treating animal digestive systems;  
            vector-mediated gene transfer for expression in Escherichia coli, Pichia pastoris, Schizosaccharomyces pombe or plant cell, transgenic animal model and transgenic plant and seed construction, computer readable medium and database for use as a food-additive, in feedstuff, in drug screening, bleaching and the pulp and paper industry

L6      ANSWER 85 OF 116    CAPLUS    COPYRIGHT 2006 ACS on STN  
TI      Mutant Escherichia coli phytase for use in animal feed

L6      ANSWER 86 OF 116    USPATFULL on STN  
TI      Phytase and gene encoding said phytase

L6      ANSWER 87 OF 116    USPATFULL on STN  
TI      Soybean phytase and nucleic acid encoding the same

L6      ANSWER 88 OF 116    USPATFULL on STN  
TI      Phytase having a low michaelis constant for phytic acid from monascus

L6      ANSWER 89 OF 116    USPATFULL on STN  
TI      Phytase-producing bacteria, phytase and production method of phytase

L6      ANSWER 90 OF 116    USPATFULL on STN  
TI      Phytase-producing bacteria, phytase and production method of phytase

L6      ANSWER 91 OF 116    CABA COPYRIGHT 2006 CABI on STN    DUPLICATE 25  
TI      Biotechnological development of effective phytases for mineral nutrition and environmental protection.

L6      ANSWER 92 OF 116    BIOSIS    COPYRIGHT (c) 2006 The Thomson Corporation    on STN  
TI      Evaluation of Streptomyces lividans and Pichia pastoris as extra-cellular expression systems for Escherichia coli phytase.

L6      ANSWER 93 OF 116    USPATFULL on STN  
TI      Consensus phytases

L6      ANSWER 94 OF 116    USPATFULL on STN  
TI      Phytase and gene encoding said phytase

L6      ANSWER 95 OF 116    USPATFULL on STN  
TI      Peniophora phytase

L6 ANSWER 96 OF 116 USPATFULL on STN  
TI Peniophora phytase

L6 ANSWER 97 OF 116 USPATFULL on STN  
TI Phytase polypeptides

L6 ANSWER 98 OF 116 USPATFULL on STN  
TI Phytase-producing bacteria

L6 ANSWER 99 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Novel phosphatase having improved phytase activity useful as animal feed-additive for improving the accessibility of phosphate to an animal is produced by treating phosphatase with protease; production of phytase

L6 ANSWER 100 OF 116 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN  
TI New nucleic acid encoding a polypeptide having fungal transcriptional activation activity, useful in methods for producing desirable polypeptides.

L6 ANSWER 101 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Advances in phytase research; enzyme production, enzyme engineering, and expression in fungus, bacterium, transgenic plant or transgenic animal; a review

L6 ANSWER 102 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 26  
TI Site-Directed Mutagenesis Improves Catalytic Efficiency and Thermostability of Escherichia coli pH 2.5 Acid Phosphatase/Phytase Expressed in Pichia pastoris

L6 ANSWER 103 OF 116 USPATFULL on STN  
TI DNA sequences encoding phytases of ruminal microorganisms

L6 ANSWER 104 OF 116 USPATFULL on STN  
TI Phytases of ruminal microorganisms

L6 ANSWER 105 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI Producing phytase in yeast useful for the food and feed industries; vector-mediated Escherichia coli appA gene expression in Aspergillus niger, Saccharomyces sp., especially Saccharomyces cerevisiae, Torulaspora sp. and Schizosaccharomyces sp.

L6 ANSWER 106 OF 116 CABA COPYRIGHT 2006 CABI on STN DUPLICATE 27  
TI Optimization of medium components for phytase production by E. coli using response surface methodology.

L6 ANSWER 107 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
TI An expression system matures: a highly efficient and cost-effective process for phytase production by recombinant strains of Hansenula polymorpha; Aspergillus fumigatus recombinant enzyme production via vector plasmid pFPMT121-mediated gene transfer and expression in a fungus

L6 ANSWER 108 OF 116 CABA COPYRIGHT 2006 CABI on STN DUPLICATE 28  
TI Biophysical characterization of fungal phytases (myo-inositol hexakisphosphate phosphohydrolases): molecular size, glycosylation pattern, and engineering of proteolytic resistance.

L6 ANSWER 109 OF 116 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Cloning, sequencing, and expression of an Escherichia coli acid phosphatase/phytase gene (appA2) isolated from pig colon

L6 ANSWER 110 OF 116 USPATFULL on STN  
TI Phytase

L6 ANSWER 111 OF 116 USPATFULL on STN  
 TI Phytase

L6 ANSWER 112 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
 TI Bacillus subtilis recombinant phytase purification and characterization;  
 for use as food-additive or feed-additive

L6 ANSWER 113 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
 TI Cloning of the thermostable phytase gene (phy) from Bacillus sp. DS11 and  
 its overexpression in Escherichia coli;  
 plasmid pUC19 and plasmid pET22b(+) for enzyme production and  
 characterization

L6 ANSWER 114 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
 TI New nucleic acid encoding phytase of a ruminal microorganism and related  
 enzyme;  
 recombinant enzyme expression in Pichia pastoris, Bacillus subtilis,  
 Escherichia coli, Selenomonas ruminatum, transgenic plant or  
 transgenic animal

L6 ANSWER 115 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
 TI Isolating novel DNA sequences from microorganisms;  
 Bacillus subtilis, Saccharomyces cerevisiae or Escherichia coli DNA  
 sequences encoding enzymes

L6 ANSWER 116 OF 116 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN  
 TI Production of self-oligomerizing peptides with reduced allergenicity;  
 hypoallergenic enzyme production as a zipper domain fusion protein in  
 Bacillus, Streptomyces, Saccharomyces, Kluyveromyces, Hansenula,  
 Pichia, Aspergillus, Fusarium or Escherichia coli

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 SEA PHYTAS?

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